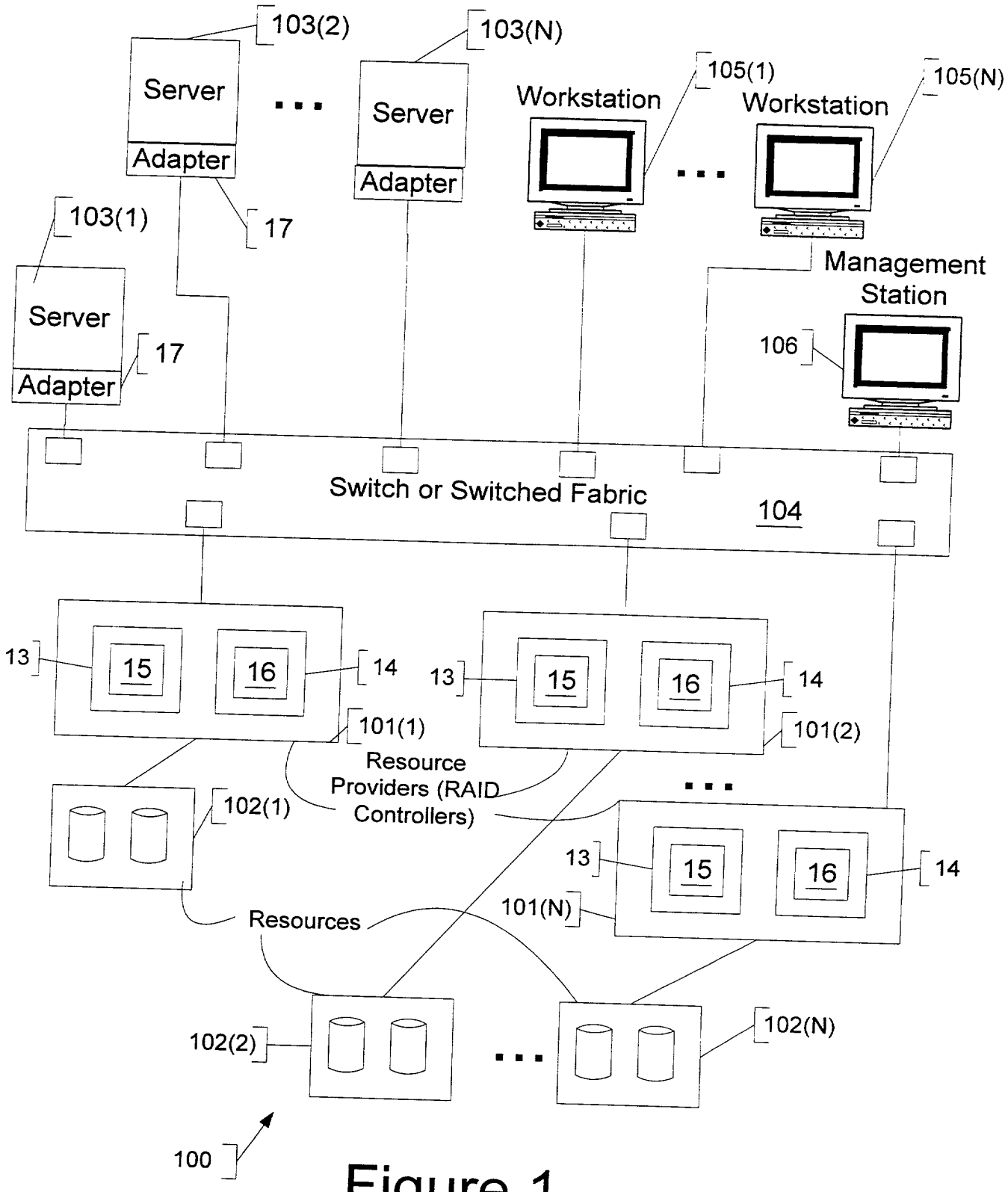
103(2)
103(N)
Server
Adapter
Server
Adapter
105(1)
105(N)
Workstation
Workstation
103(1)
17
Server
Adapter
17
Management
Station
106
Switch or Switched Fabric
104
13
15
16
14
101(1)
13
15
16
14
101(2)
Resource
Providers (RAID
Controllers)
102(1)
13
15
16
14
101(N)
Resources
102(2)
102(N)
100

Figure 1

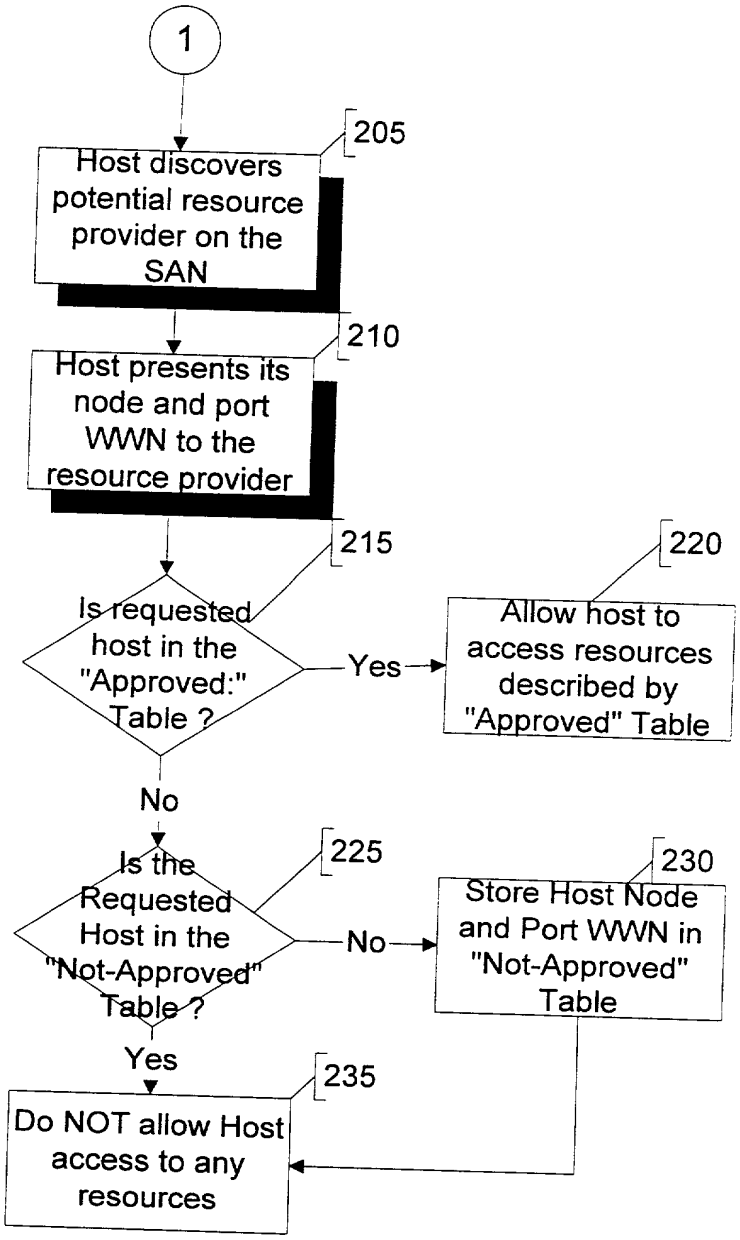
1
205
Host discovers potential resource provider on the SAN
210
Host presents its node and port WWN to the resource provider
215
Is requested host in the "Approved:" Table ?
Yes
220
Allow host to access resources described by "Approved" Table
No
225
Is the Requested Host in the "Not-Approved" Table ?
No
230
Store Host Node and Port WWN in "Not-Approved" Table
Yes
235
Do NOT allow Host access to any resources

Figure 2

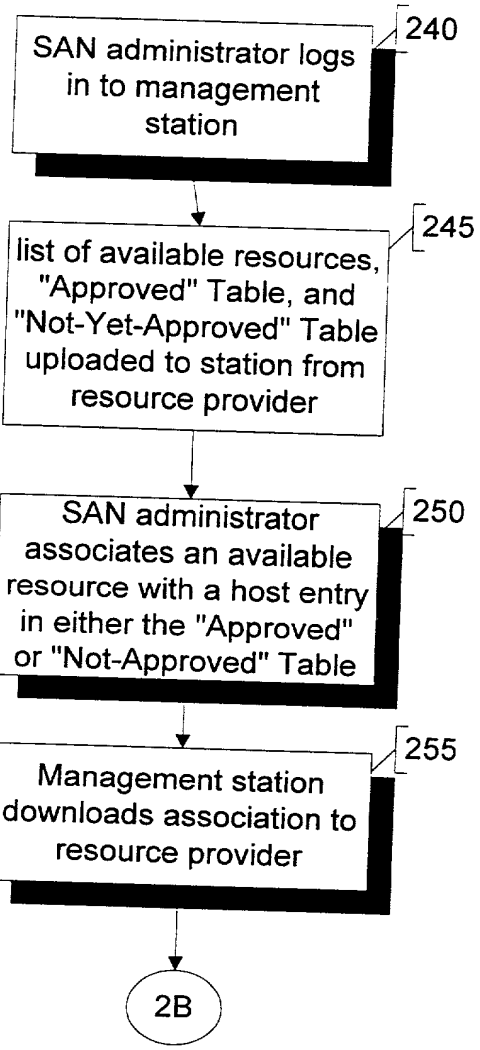
SAN administrator logs in to management station
240
list of available resources, "Approved" Table, and "Not-Yet-Approved" Table uploaded to station from resource provider
245
SAN administrator associates an available resource with a host entry in either the "Approved" or "Not-Approved" Table
250
Management station downloads association to resource provider
255
2B

Figure 2A

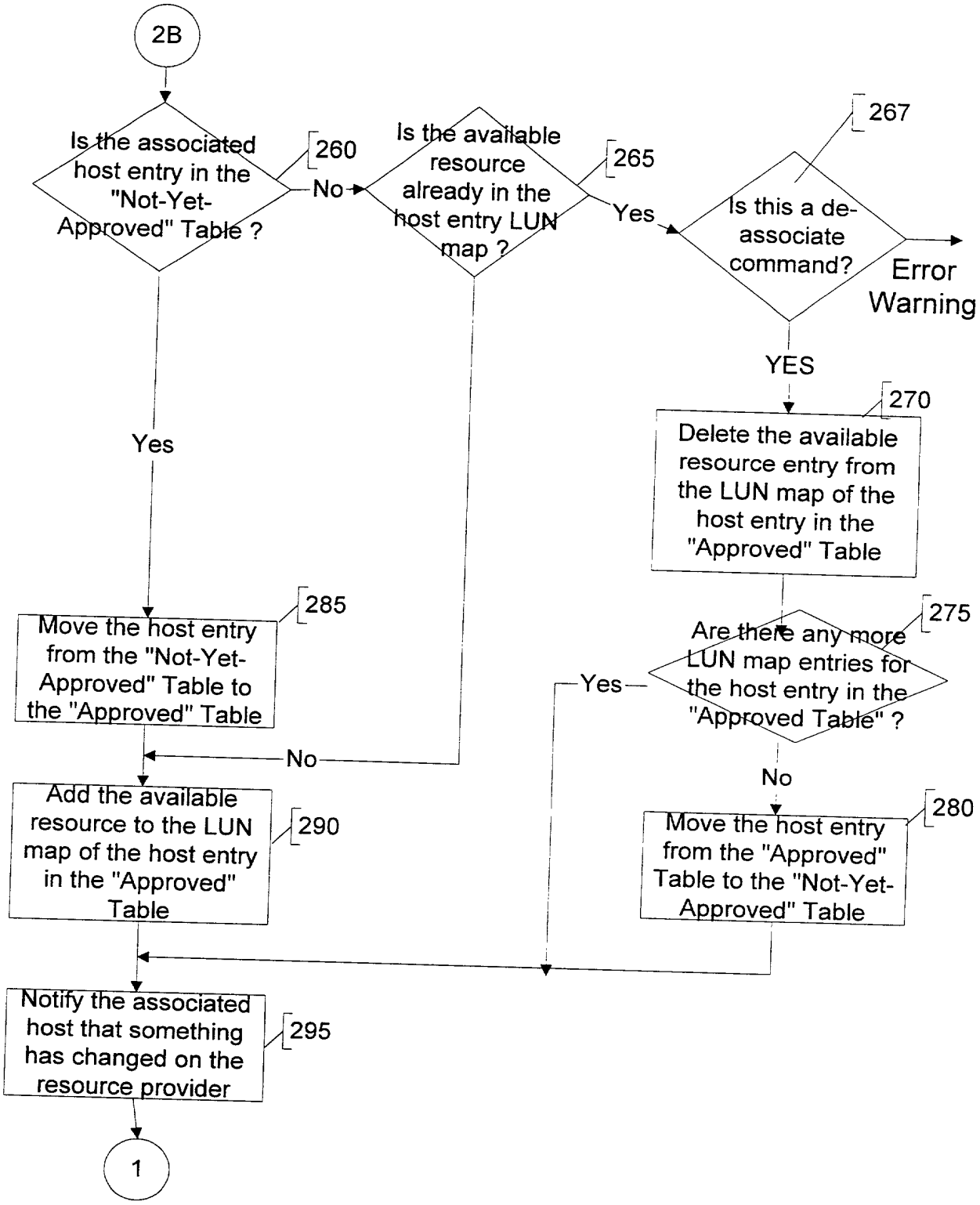
2B
Is the associated host entry in the "Not-Yet-Approved" Table ?
260
No
Is the available resource already in the host entry LUN map ?
265
Yes
Is this a de-associate command?
267
Error Warning
YES
Yes
270
Delete the available resource entry from the LUN map of the host entry in the "Approved" Table
285
Move the host entry from the "Not-Yet-Approved" Table to the "Approved" Table
Are there any more LUN map entries for the host entry in the "Approved Table" ?
275
Yes
No
No
Add the available resource to the LUN map of the host entry in the "Approved" Table
290
Move the host entry from the "Approved" Table to the "Not-Yet-Approved" Table
280
Notify the associated host that something has changed on the resource provider
295
1

Figure 2B

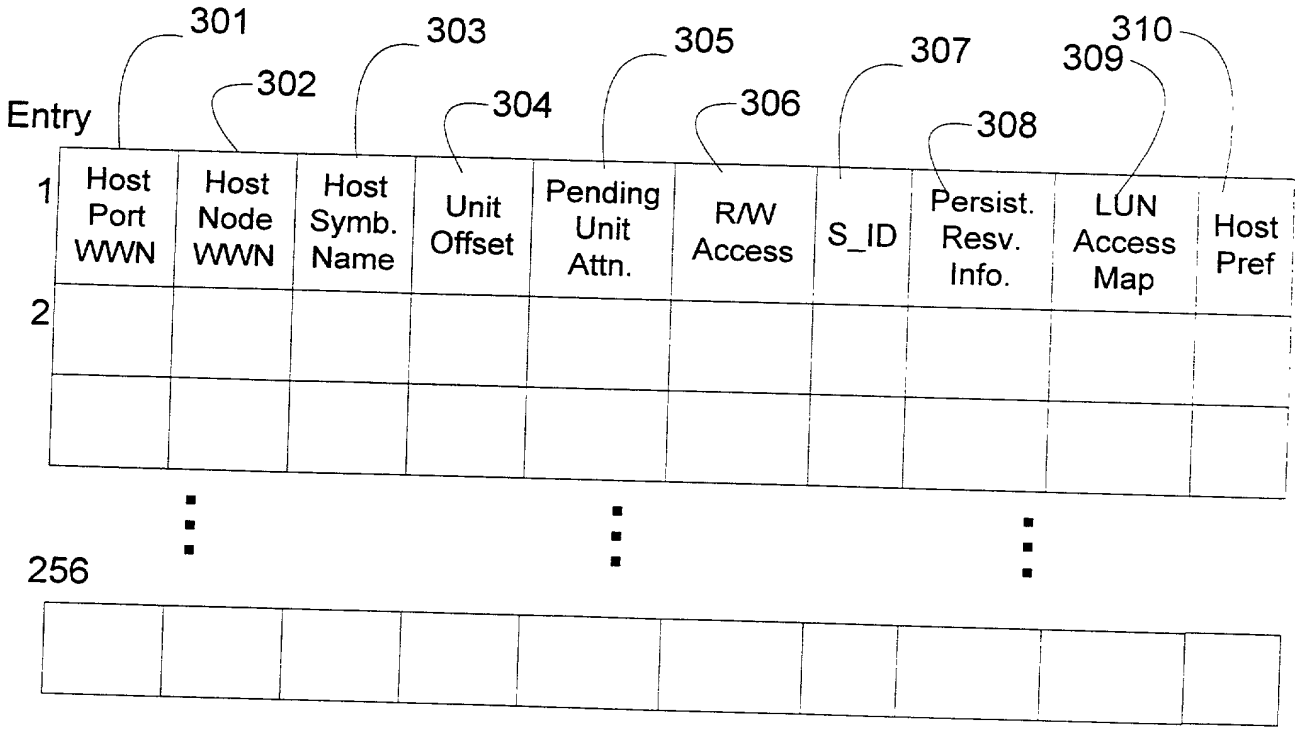

Figure 3

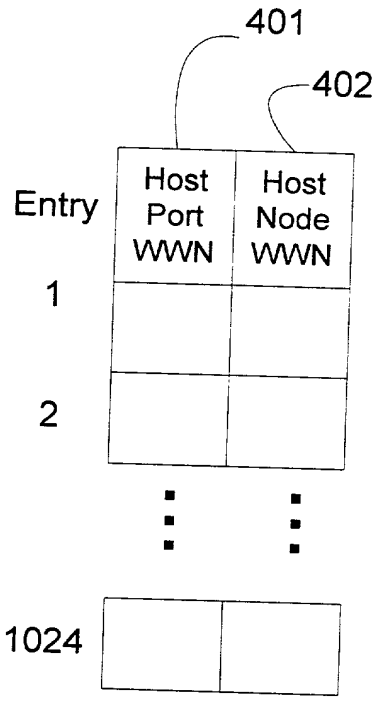

Figure 4

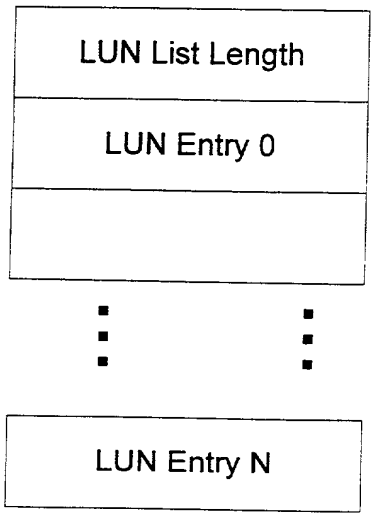

Figure 5

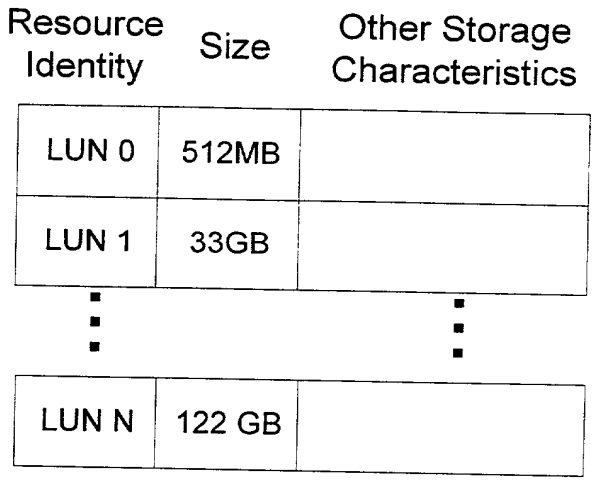

Figure 6